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(54) POWDER MAGNETIC CORE AND METHOD OF MANUFACTURING THE SAME

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a powder magnetic core that is superior in electric insulation performance to occur quite a little eddy current loss, capable of securing good magnetic characteristics, and superior in oxidation resistance as well.

SOLUTION: In the powder magnetic core having a columnar section, which is formed with soft magnetic metal powder, a resin and a lubricant, at least 90% or more of areas among 50 closest approach points with adjacent metal particles show a higher carbon concentration measurement value than the carbon concentration at metal particle centers.